

REMARKS

Claim 1 has been cancelled. New claims 2-16 have been added.

On page 2 of the Office Action dated April 4, 2005, claim 1 was rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent Application Publication No. 2002/0188790 (Park) in view of U.S. Pat. No. 6,192,399 (Goodman). Applicant has cancelled claim 1, thereby rendering the Examiner's rejection of claim 1 moot.

Applicant has added claims 2-16. Applicant respectfully submits that new claims 2-16 are not obvious in view of Park and Goodman. In particular, Applicant submits that Park does not disclose or suggest,

disconnecting the receive port of the second device from the second end of the path, and connecting the transmit port of the second device to the second end of the path when the monitoring of the presence of the first set of signals does not detect the first set of signals

, as recited in claim 2, for example. Applicant further submits that neither reference teaches or suggests, "monitoring of a presence of the first set of signals conducting towards the receive port of the second device."

In at least one embodiment, the system and method of the present invention enables two devices to communicate over a transmission line such as a single twisted pair, as opposed to two pairs. In at least one embodiment, the invention includes two electronic adaptors, each of which connects between the transmission line and a different one of two digital devices. Using the present invention, multiple computers can utilize an existing wiring infrastructure to obtain a high speed connection to a network.

Park provides an apparatus for performing high-speed data communications in an Ethernet environment by using a 2-wire transmission channel without deteriorating its performance. In particular, Park teaches a pair of 2-wire signal lines of either UTP cable or telephone lines connecting a first conversion controller to a second conversion controller. Park does not provide information pertaining to disconnecting and connecting ports in a manner identified by the language of claim 2. Park also does not provide monitoring, as identified by the language of claim 2.

Goodman is concerned with a method and apparatus for using an existing telephone wiring network for bi-directional communication of data and television signals. Goodman does not provide information pertaining to the above-identified features of claim 2.

In light of the foregoing, Applicant respectfully submits that neither Park nor Goodman, taken alone or in combination, teaches or suggests the above-identified features of claim 2, for

example. As claims 3-16 depend from claim 2, claims 3-16 are also patentable over the references, for at least the reasons presented above with respect to claim 2.

There being no further outstanding objections or rejections, it is respectfully submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

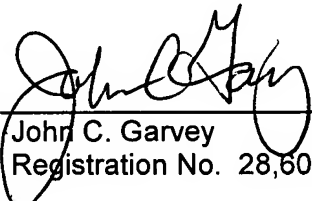
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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